



**PHILADELPHIA**

One Liberty Place, 46<sup>th</sup> floor  
Philadelphia, PA 19103  
Phone: 215-568-3100  
Fax: 215-568-3439

**SEATTLE**

999 Third Avenue, Suite 1606  
Seattle, WA 98104  
Phone: 206-332-1380  
Fax: 206-624-7317

**F A C S I M I L E**

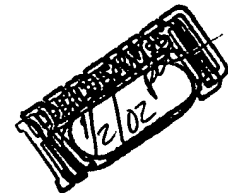
DATE: January 2, 2002

JOB CODE: 68755

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Name: A.F.  
Attention: Examiner Ella Colbert  
(Art Unit 2172)

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Client/Matter No.: MSFT-0508/37457.1

Sender's Name: Vincent J. Roccia

Pages to Follow: 21

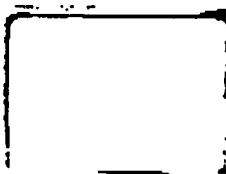
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**RECEIVED BY THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**



**Paper:** PTO Amendment Transmittal Letter (in Duplicate, consisting of 4 pages); Amendment and Response Under 37 C.F.R. § 1.111 (consisting of 10 pages, which includes 3 pages of marked-up versions of amendments; 4 Sheets of corrected, substitute drawings with identification labels on each sheet (comprised of Figures 1, 2, 3, 4); Copy of the Notice Of Draftperson's Patent Drawing Review, Form PTO 948; Check for 1 month extension filing fee, in the amount of \$110.00; Return Postcard to PTO, all sent via First Class Mail.

**Applicant(s) :** Steven J. Kruey et al.

**Title:** DATABASE ITEM VERSIONING

**Serial No.:** 09/235,038

**Filed:** January 21, 1999

**Docket No.:** MSFT-0508/37457.1

**Date Sent:** November 1, 2001

**V. J. Roccia/J. Edelman**

**\*PLEASE NOTE:** This Amendment and Response was previously sent to the USPTO on November 1, 2001. Kindly acknowledge receipt of this facsimile transmission of the Amendment and Response, by stamping this postcard copy and faxing it back to our office at (215) 568-3439. Thank you. Vince Roccia.



DOCKET NO.: MSFT-0508/37457.1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
Steven J. Kruy et al.

Serial No.: 09/235,038

Group Art Unit: 2172

Filing Date: January 21, 1999

Examiner: Ella Colbert

For: DATABASE ITEM VERSIONING

DATE OF DEPOSIT: 11/1/01

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
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VINCENT J. ROCCLA  
REGISTRATION NO.: 43,887

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☒ AF

Assistant Commissioner for Patents  
Washington DC 20231

Sir:

AMENDMENT TRANSMITTAL LETTER

Transmitted herewith for filing in the above-identified patent application is:



A Preliminary Amendment



An Amendment Responsive to the Office Action Dated July 2, 2001



An Amendment Supplemental to the Paper filed \_\_\_\_\_



Other: \_\_\_\_\_

DOCKET NO.: MSFT-0508/37457.1

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PATENT

- ☐ Applicant(s) has previously claimed small entity status under 37 CFR §1.27.
- ☐ Applicant(s) by its/their undersigned attorney, claims small entity status under 37 CFR §1.27 as:
- ☐ an Independent Inventor
  - ☐ a Small Business Concern
  - ☐ a Nonprofit Organization
- ☐ This application is no longer entitled to small entity status. It is requested that this be noted in the files of the Patent and Trademark Office.
- ☐ Substitute Pages \_\_\_\_\_ of the Specification are enclosed.
- ☐ An Abstract is enclosed.
- ☒ \_\_\_\_\_ 4 \_\_\_\_\_ Sheets of Proposed Corrected Drawings with identification labels on each sheet (comprised of Figures 1, 2, 3 and 4), and a Copy of the Notice Of Draftperson's Patent Drawing Review, Form PTO 948 are enclosed.
- ☐ A Certified Copy of each of the following applications: \_\_\_\_\_ is enclosed.
- ☐ An Associate Power of Attorney is enclosed.
- ☐ Information Disclosure Statement
- ☐ Attached Form 1449.
  - ☐ A copy of each reference as listed on the attached Form PTO-1449 is enclosed herewith.
- ☐ Appended Material as follows: \_\_\_\_\_
- ☐ Other Material as follows: \_\_\_\_\_

DOCKET NO.: MSFT-0508/37457.1

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PATENT

## FEE CALCULATION

☐ No Additional Fee is Due.

				SMALL ENTITY		NOT SMALL ENTITY	
	REMAINING AFTER AMENDMENT	HIGHEST PAID FOR	EXTRA	RATE	FEE	RATE	FEE
TOTAL CLAIMS	18	20 (20 MINIMUM)		\$9 EACH	\$	\$18 EACH	\$ 0.00
INDEP. CLAIMS	4	4 (3 MINIMUM)		\$42 EACH	\$	\$84 EACH	\$ 0.00
FIRST PRESENTATION OF MULTIPLE DEPENDENT				\$140	\$	\$280	\$
<input checked="" type="checkbox"/> ONE MONTH EXTENSION OF TIME				\$55	\$	\$110	\$110.00
<input type="checkbox"/> TWO MONTH EXTENSION OF TIME				\$200	\$	\$400	\$
<input type="checkbox"/> THREE MONTH EXTENSION OF TIME				\$460	\$	\$920	\$
<input type="checkbox"/> FOUR MONTH EXTENSION OF TIME				\$720	\$	\$1440	\$
<input type="checkbox"/> FIVE MONTH EXTENSION OF TIME				\$980	\$	\$1960	\$
<input type="checkbox"/> LESS ANY EXTENSION FEE ALREADY PAID				minus	(\$ )	minus	(\$ )
<input type="checkbox"/> TERMINAL DISCLAIMER				\$55	\$	\$110	\$
<input type="checkbox"/> OTHER FEE OR SURCHARGE AS FOLLOWS:							
TOTAL FEE DUE							\$110.00

- ☒ A Check is Enclosed in the Foregoing Amount Due.
- ☒ Petition is hereby made under 37 C.F.R. 1.136(a) to extend the time for response to the Office Action of July 2, 2001 to and through November 2, 2001 comprising an extension of the shortened statutory period of 1 month(s).
- ☒ The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this filing or any future filing submitted to the U.S. Patent and Trademark Office in the above-identified application

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PATENT

during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to deposit account 23-3050. This sheet is provided in duplicate.

☒ The Commissioner is authorized to charge payment of the following fees and to refund any overpayment associated with this communication or during the pendency of this application to deposit account 23-3050. This sheet is provided in duplicate.

☐ The Foregoing Amount Due for Filing this Paper.

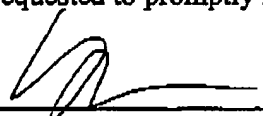
☒ Any additional filing fees required, including fees for the presentation of extra claims under 37 C.F.R. 1.16.

☒ Any additional patent application processing fees under 37 C.F.R. 1.17 or 1.20(d).

**SHOULD ANY DEFICIENCIES APPEAR** with respect to this application, including deficiencies in payment of fees, missing parts of the application or otherwise, the United States Patent and Trademark Office is respectfully requested to promptly notify the undersigned.

Date:

11/1/01

  
\_\_\_\_\_  
VINCENT J. ROCCIA  
Registration No.: 43,887

Woodcock Washburn LLP  
One Liberty Place - 46th Floor  
Philadelphia PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

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Form PTO 948 (Rev. 8-98)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No.

09/235833

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 1/21/99 are:A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color.</p> <p>Color drawings are not acceptable until notice is granted. Fig(s) _____</p> <p>Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)</p> <p>1 full-tone set is required. Fig(s) _____</p> <p>Photographs not properly mounted (must use crystal board or photographic double-weight paper). Fig(s) _____</p> <p>Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c)</p> <p>Paper not flexible, strong, white, and durable. Fig(s) _____</p> <p>Erasures, alterations, over-etchings, interlineations, folds, copy machine marks not accepted. Fig(s) _____</p> <p>Mylar, various paper is not acceptable (too thin). Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.5 cm by 27.9 cm (8 1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) _____</p> <p>Drawing sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) _____</p> <p>Top (T) _____ Left (L) Right (R) _____ Bottom (B)</p> <p>6. VIEWS. 37 CFR 1.84(h)</p> <p>REMINDER: Specifications may require revision to correspond to drawing changes.</p> <p>Partial views. 37 CFR 1.84(i)(p)</p> <p>Brackets needed to show figure as one entity. Fig(s) _____</p> <p>Views not labeled separately or properly. Fig(s) _____</p> <p>Enlarged view not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)</p> <p>Hatching not indicated for sectional portions of an object. Fig(s) _____</p> <p>Sectional designations should be noted with Arabic or Roman numerals. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)</p> <p>Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(j)</p> <p>Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds its reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(k)</p> <p>Lines, numbers &amp; letters not uniformly thick and well defined, clean, distinct, and black (prior line quality). Fig(s) <u>1</u></p> <p>11. SHADING. 37 CFR 1.84(m)</p> <p>Solid black areas pale. Fig(s) _____</p> <p>Solid black shading not permitted. Fig(s) _____</p> <p>Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)</p> <p>Numbers and reference characters not plain and legible. Fig(s) _____</p> <p>Figure legends are poor. Fig(s) _____</p> <p>Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____</p> <p>English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____</p> <p>Numbers, letters and reference characters must be at least .32 mm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(n)</p> <p>Lead lines cross each other. Fig(s) _____</p> <p>Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)</p> <p>Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(n)</p> <p>Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)</p> <p>Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152</p> <p>Surface shading shows not appropriate. Fig(s) _____</p> <p>Solid black shading not used for color contrast. Fig(s) _____</p>
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COMMENTS

REVIEWER A.D. DATE 1/22/99 TELEPHONE NO. \_\_\_\_\_ATTACHMENT TO PAPER NO. 14